



R4709

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/763,902B

DATE: 08/26/2002

TIME: 14:29:22

Input Set : A:\pf0577usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763902B.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5 TANG, Y. Tom
 6 LAL, Preeti
 7 BANDMAN, Olga
 8 YUE, Henry
 9 CORLEY, Neil C.
 10 GUEGLER, Karl J.
 11 GORGONE, Gina A.
 12 BAUGHN, Mariah R.
 13 PATTERSON, Chandra
 15 <120> TITLE OF INVENTION: PROTEIN TRANSPORT-ASSOCIATED MOLECULES
 17 <130> FILE REFERENCE: PF-0577 PCT
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/763,902B
 C--> 20 <141> CURRENT FILING DATE: 2002-08-22
 22 <150> PRIOR APPLICATION NUMBER: 60/098,206
 23 <151> PRIOR FILING DATE: 1998-08-27
 25 <160> NUMBER OF SEQ ID NOS: 16
 27 <170> SOFTWARE: PERL Program
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 480
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 34 <220> FEATURE:
 35 <221> NAME/KEY: misc_feature
 36 <223> OTHER INFORMATION: Incyte ID No:012033CD1
 38 <400> SEQUENCE: 1
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 41 Gly Ala Val Pro Leu Leu Ala Thr Glu Ser Val Lys Gln Glu Glu
 42 20 25 30
 43 Ala Gly Val Arg Pro Ser Ala Gly Asn Val Ser Thr His Pro Ser
 44 35 40 45
 45 Leu Ser Gln Arg Pro Gly Gly Ser Thr Lys Ser His Pro Glu Pro
 46 50 55 60
 47 Gln Thr Pro Lys Asp Ser Pro Ser Lys Ser Ser Ala Glu Ala Gln
 48 65 70 75
 49 Thr Pro Glu Asp Thr Pro Asn Lys Ser Gly Ala Glu Ala Lys Thr
 50 80 85 90
 51 Gln Lys Asp Ser Ser Asn Lys Ser Gly Ala Glu Ala Lys Thr Gln
 52 95 100 105
 53 Lys Gly Ser Thr Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys
 54 110 115 120
 55 Asp Ser Thr Ser Lys Ser His Ser Glu Leu Gln Thr Pro Lys Asp

ENTERED

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56	125	130	135
57	Ser Thr Gly Lys Ser Gly Ala Glu Ala Gln	Thr Pro Glu Asp Ser	
58	140	145	150
59	Pro Asn Arg Ser Gly Ala Glu Ala Lys	Thr Gln Lys Asp Ser Pro	
60	155	160	165
61	Ser Lys Ser Gly Ser Glu Ala Gln Thr	Thr Lys Asp Val Pro Asn	
62	170	175	180
63	Lys Ser Gly Ala Asp Gly Gln Thr Pro	Lys Asp Gly Ser Ser Lys	
64	185	190	195
65	Ser Gly Ala Glu Asp Gln Thr Pro Lys	Asp Val Pro Asn Lys Ser	
66	200	205	210
67	Gly Ala Glu Lys Gln Thr Pro Lys Asp	Gly Ser Asn Lys Ser Gly	
68	215	220	225
69	Ala Glu Glu Gln Gly Pro Ile Asp Gly	Pro Ser Lys Ser Gly Ala	
70	230	235	240
71	Glu Glu Gln Thr Ser Lys Asp Ser Pro	Asn Lys Val Val Pro Glu	
72	245	250	255
73	Gln Pro Ser Arg Lys Asp His Ser Lys	Pro Ile Ser Asn Pro Ser	
74	260	265	270
75	Asp Asn Lys Glu Leu Pro Lys Ala Asp	Thr Asn Gln Leu Ala Asp	
76	275	280	285
77	Lys Gly Lys Leu Ser Pro His Ala Phe	Lys Thr Glu Ser Gly Glu	
78	290	295	300
79	Glu Thr Asp Leu Ile Ser Pro Pro Gln	Glu Glu Val Lys Ser Ser	
80	305	310	315
81	Glu Pro Thr Glu Asp Val Glu Pro Lys	Glu Ala Glu Asp Asp Asp	
82	320	325	330
83	Thr Gly Pro Glu Glu Gly Ser Pro Pro	Lys Glu Glu Lys Glu Lys	
84	335	340	345
85	Met Ser Gly Ser Ala Ser Ser Glu Asn	Arg Glu Gly Thr Leu Ser	
86	350	355	360
87	Asp Ser Thr Gly Ser Glu Lys Asp Asp	Leu Tyr Pro Asn Gly Ser	
88	365	370	375
89	Gly Asn Gly Ser Ala Glu Ser Ser His	Phe Phe Ala Tyr Leu Val	
90	380	385	390
91	Thr Ala Ala Ile Leu Val Ala Val Leu	Tyr Ile Ala His His Asn	
92	395	400	405
93	Lys Arg Lys Ile Ile Ala Phe Val Leu	Glu Gly Lys Arg Ser Lys	
94	410	415	420
95	Val Thr Arg Arg Pro Lys Ala Ser Asp	Tyr Gln Arg Leu Asp Gln	
96	425	430	435
97	Lys Tyr Val Leu Ile Leu Asn Val Phe	Pro Ala Pro Pro Lys Arg	
98	440	445	450
99	Ser Phe Leu Pro Gln Val Leu Thr Glu	Trp Tyr Ile Pro Leu Glu	
100	455	460	465
101	Lys Asp Glu Arg His Gln Trp Ile Val	Leu Leu Ser Phe Gln Leu	
102	470	475	480
106	<210> SEQ ID NO: 2		
107	<211> LENGTH: 140		

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108 <212> TYPE: PRT
 109 <213> ORGANISM: Homo sapiens
 111 <220> FEATURE:
 112 <221> NAME/KEY: misc_feature
 113 <223> OTHER INFORMATION: Incyte ID No:1209687CD1
 115 <400> SEQUENCE: 2
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 118 Ala Ala Glu Glu Phe Val Asn Val Tyr Tyr Thr Thr Met Asp Lys
 119 20 25 30
 120 Arg Arg Arg Leu Leu Ser Arg Leu Tyr Met Gly Thr Ala Thr Leu
 121 35 40 45
 122 Val Trp Asn Gly Asn Ala Val Ser Gly Gln Glu Ser Leu Ser Glu
 123 50 55 60
 124 Phe Phe Glu Met Leu Pro Ser Ser Glu Phe Gln Ile Ser Val Val
 125 65 70 75
 126 Asp Cys Gln Pro Val His Asp Glu Ala Thr Pro Ser Gln Thr Thr
 127 80 85 90
 128 Val Leu Val Val Ile Cys Gly Ser Val Lys Phe Glu Gly Asn Lys
 129 95 100 105
 130 Gln Arg Asp Phe Asn Gln Asn Phe Ile Leu Thr Ala Gln Ala Ser
 131 110 115 120
 132 Pro Ser Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg Phe
 133 125 130 135
 134 Gln Asp Trp Ala Ser
 135 140
 139 <210> SEQ ID NO: 3
 140 <211> LENGTH: 519
 141 <212> TYPE: PRT
 142 <213> ORGANISM: Homo sapiens
 144 <220> FEATURE:
 145 <221> NAME/KEY: misc_feature
 146 <223> OTHER INFORMATION: Incyte ID No:1717058CD1
 148 <400> SEQUENCE: 3
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 150 1 5 10 15
 151 Thr Asp Phe Glu Asp Leu Glu Asp Gly Glu Asp Leu Phe Thr Ser
 152 20 25 30
 153 Thr Val Ser Thr Leu Glu Ser Ser Pro Ser Ser Pro Glu Pro Ala
 154 35 40 45
 155 Ser Leu Pro Ala Glu Asp Ile Ser Ala Asn Ser Asn Gly Pro Lys
 156 50 55 60
 157 Pro Thr Glu Val Val Leu Asp Asp Asp Arg Glu Asp Leu Phe Ala
 158 65 70 75
 159 Glu Ala Thr Glu Glu Val Ser Leu Asp Ser Pro Glu Arg Glu Pro
 160 80 85 90
 161 Ile Leu Ser Ser Glu Pro Ser Pro Ala Val Thr Pro Val Thr Pro
 162 95 100 105
 163 Thr Thr Leu Ile Ala Pro Arg Ile Glu Ser Lys Ser Met Ser Ala

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164	110	115	120
165	Pro Val Ile Phe Asp Arg Ser Arg Glu	Glu Ile Glu Glu Glu Ala	
166	125	130	135
167	Asn Gly Asp Ile Phe Asp Ile Glu Ile	Gly Val Ser Asp Pro Glu	
168	140	145	150
169	Lys Val Gly Asp Gly Met Asn Ala Tyr	Met Ala Tyr Arg Val Thr	
170	155	160	165
171	Thr Lys Thr Ser Leu Ser Met Phe Ser	Lys Ser Glu Phe Ser Val	
172	170	175	180
173	Lys Arg Arg Phe Ser Asp Phe Leu Gly	Leu His Ser Lys Leu Ala	
174	185	190	195
175	Ser Lys Tyr Leu His Val Gly Tyr Ile	Val Pro Pro Ala Pro Glu	
176	200	205	210
177	Lys Ser Ile Val Gly Met Thr Lys Val	Lys Val Gly Lys Glu Asp	
178	215	220	225
179	Ser Ser Ser Thr Glu Phe Val Glu Lys	Arg Arg Ala Ala Leu Glu	
180	230	235	240
181	Arg Tyr Leu Gln Arg Thr Val Lys His	Pro Thr Leu Leu Gln Asp	
182	245	250	255
183	Pro Asp Leu Arg Gln Phe Leu Glu Ser	Ser Glu Leu Pro Arg Ala	
184	260	265	270
185	Val Asn Thr Gln Ala Leu Ser Gly Ala	Gly Ile Leu Arg Met Val	
186	275	280	285
187	Asn Lys Ala Ala Asp Ala Val Asn Lys	Met Thr Ile Lys Met Asn	
188	290	295	300
189	Glu Ser Asp Ala Trp Phe Glu Glu Lys	Gln Gln Gln Phe Glu Asn	
190	305	310	315
191	Leu Asp Gln Gln Leu Arg Lys Leu His	Val Ser Val Glu Ala Leu	
192	320	325	330
193	Val Cys His Arg Lys Glu Leu Ser Ala	Asn Thr Ala Ala Phe Ala	
194	335	340	345
195	Lys Ser Ala Ala Met Leu Gly Asn Ser	Glu Asp His Thr Ala Leu	
196	350	355	360
197	Ser Arg Ala Leu Ser Gln Leu Ala Glu	Val Glu Glu Lys Ile Asp	
198	365	370	375
199	Gln Leu His Gln Glu Gln Ala Phe Ala	Asp Phe Tyr Met Phe Ser	
200	380	385	390
201	Glu Leu Leu Ser Asp Tyr Ile Arg Leu	Ile Ala Ala Val Lys Gly	
202	395	400	405
203	Val Phe Asp His Arg Met Lys Cys Trp	Gln Lys Trp Glu Asp Ala	
204	410	415	420
205	Gln Ile Thr Leu Leu Lys Lys Arg Glu	Ala Glu Ala Lys Met Met	
206	425	430	435
207	Val Ala Asn Lys Pro Asp Lys Ile Gln	Gln Ala Lys Asn Glu Ile	
208	440	445	450
209	Arg Glu Trp Glu Ala Lys Val Gln Gln	Gly Glu Arg Asp Phe Glu	
210	455	460	465
211	Gln Ile Ser Lys Thr Ile Arg Lys Glu	Val Gly Arg Phe Glu Lys	
212	470	475	480

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213 Glu Arg Val Lys Asp Phe Lys Thr Val Ile Ile Lys Tyr Leu Glu
214 485 490 495
215 Ser Leu Val Gln Thr Gln Gln Leu Ile Lys Tyr Trp Glu Ala
216 500 505 510
217 Phe Leu Pro Glu Ala Lys Ala Ile Ala
218 515
223 <210> SEQ ID NO: 4
224 <211> LENGTH: 613
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <223> OTHER INFORMATION: Incyte ID No:1749964CD1
232 <400> SEQUENCE: 4
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234 1 5 10 15
235 Ala Gln Gly Pro Pro Gly Pro Ala Ala Ser Leu Glu Leu Trp Leu
236 20 25 30
237 Asn Lys Ala Thr Asp Pro Ser Met Ser Glu Gln Asp Trp Ser Ala
238 35 40 45
239 Ile Gln Asn Phe Cys Glu Gln Val Asn Thr Asp Pro Asn Gly Pro
240 50 55 60
241 Thr His Ala Pro Trp Leu Leu Ala His Lys Ile Gln Ser Pro Gln
242 65 70 75
243 Glu Lys Glu Ala Leu Tyr Ala Leu Thr Val Leu Glu Met Cys Met
244 80 85 90
245 Asn His Cys Gly Glu Lys Phe His Ser Glu Val Ala Lys Phe Arg
246 95 100 105
247 Phe Leu Asn Glu Leu Ile Lys Val Leu Ser Pro Lys Tyr Leu Gly
248 110 115 120
249 Ser Trp Ala Thr Gly Lys Val Lys Gly Arg Val Ile Glu Ile Leu
250 125 130 135
251 Phe Ser Trp Thr Val Trp Phe Pro Glu Asp Ile Lys Ile Arg Asp
252 140 145 150
253 Ala Tyr Gln Met Leu Lys Lys Gln Gly Ile Ile Lys Gln Asp Pro
254 155 160 165
255 Lys Leu Pro Val Asp Lys Ile Leu Pro Pro Pro Ser Pro Trp Pro
256 170 175 180
257 Lys Ser Ser Ile Phe Asp Ala Asp Glu Glu Lys Ser Lys Leu Leu
258 185 190 195
259 Thr Arg Leu Leu Lys Ser Asn His Pro Glu Asp Leu Gln Ala Ala
260 200 205 210
261 Asn Arg Leu Ile Lys Asn Leu Val Lys Glu Glu Gln Glu Lys Ser
262 215 220 225
263 Glu Lys Val Ser Lys Arg Val Ser Ala Val Glu Glu Val Arg Ser
264 230 235 240
265 His Val Lys Val Leu Gln Glu Met Leu Ser Met Tyr Arg Arg Pro
266 245 250 255
267 Gly Gln Ala Pro Pro Asp Gln Glu Ala Leu Gln Val Val Tyr Glu

VERIFICATION SUMMARY

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L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date